



ANNUAL REPORT
OF THE
Medical Officer of Health,
1913.

BURY:

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MEDICAL OFFICER'S REPORT FOR 1913.

POPULATION AT CENSUS, 1911	- - - - -	9,043
ESTIMATED POPULATION AT MIDDLE OF 1913	- - - - -	9,230
AREA OF DISTRICT IN STATUTE ACRES	- - - - -	12,014

To the Rural District Council of Bury.

MR. CHAIRMAN AND GENTLEMEN,

I beg to submit my Report on the Health and Sanitary condition of the District for the year 1913.

The District is a wide and scattered one, being composed of all that part of the Bury Union which is not Urban. It lies at an altitude varying from 125 feet at Molyneux, to 1500 feet above sea level at Whittle Pike, Shuttleworth.

The Rainfall.—I am indebted to Dr. Buckley, Medical Officer of Health for Bury, for the following particulars regarding the rainfall. The total rainfall for the year was 38.80 inches, compared with 52.21 for 1912. The greatest rainfall occurred in the month of November and was 5.05 inches, and the least in the month of July when 1.17 inches were registered. An appreciable amount of rain fell on 209 days, compared with 217 days in 1912, and 185 days in 1911. On no day during the year was a full inch of rain registered. The rainfall was distinctly below the average for the district, but was more evenly distributed over the year than in 1911 when a similar amount of rain was registered.

The District contains both agricultural and industrial communities. The chief centres of population are in parts of each of the various localities, especially Ainsworth, Bamford, Outwood, and Unsworth, Birtle to a less extent, while Walmersley-cum-Shuttleworth is mainly agricultural. The inhabitants in these centres of population are chiefly employed in textile industries consequently there is a large demand for female labour. There are about 100 Milk Farms in the District. The milk, in addition to supplying the inhabitants, is carried for sale to the various Urban Districts in the neighbourhood.

Birth Rate.—This is slightly less than in 1912. 181 births have been registered, consisting of 92 males and 89 females this gives a Birth Rate of 19.6 per 1000 persons living, compared with 20.2 in 1912. The average birth rate for the previous 5 years was 21.4. Two illegitimate births were registered during the year, being at the rate of 1.1 per cent of the total births.

Crude Death Rate.—The total number of deaths registered in the district during the year was 100, of which 50 were males and 50 females, giving a crude Death Rate of 10.8 per 1000 persons living. This is lower than in 1912 when it was 11.3 per 1000.

Corrected Death Rate.—Of these 100 deaths 3 have been transferred as belonging to other districts, and 14 other deaths, registered elsewhere, of persons usually resident within this district, have been transferred here, making altogether 111 deaths of residents. This gives a Death Rate of 12.02 per 1000 persons living. This is very slightly lower than in 1912 when it was 12.05 per 1000. The average Death Rate for the previous 5 years was 12.4 per 1000.

The following Table shows the particulars of the various localities:—

Locality	Area in Statute Acres.	Population		Births			Deaths			
		Census 1911	Estimated Middle 1912	Males	Females	Illegitimate	Males	Females	Death rate per 1,000	
Ainsworth	1460	1903	1946	24	21	0	23·1	9	11	10·2
Birtle-cum-Bamford	2410	1676	1697	13	17	0	17·6	8	12	11·7
Outwood	1938	2099	2175	26	28	1	24·8	16	14	13·7
Unsworth	3067	2707	2749	27	16	1	15·6	18	17	12·7
Walmersley-cum- Shuttleworth	3189	658	663	2	7	0	13·5	3	3	9·04
Total.....	12014	9043	9230	92	89	2	19·6	54	57	12·02

Infantile Mortality.—I am glad again to be able to record a decrease in the death rate among infants under one year of age. During the year 12 deaths only have been registered, giving a death rate of 66·3 per 1000 births, compared with 97·2 per 1000 in 1912. The average for the previous 5 years was 96·6 per 1000 births.

There were no deaths among illegitimate children under one year of age during the year.

The ages at which these 12 deaths occurred were 8 under 1 month, of which 3 took place in the first week, 2 in the second week, 2 in the third week and 1 in the fourth week; 3 between 3 and 6 months and 1 between 6 and 9 months. The causes were 2 from Diarrhoea and Enteritis, 3 from Premature Birth and Congenital Defects, 3 from Bronchitis, and 4 from other causes. I should like to draw attention to the fact that only 2 deaths were caused by Diarrhoea and Enteritis, in spite of the fact that the summer was an unusually hot one.

Mortality under Five years of age.—19 out of the total number of deaths occurred among children under 5 years of age, This is at the rate of 17·2 per cent of the total deaths, compared with 24·5 per cent. in 1912.

Mortality over Sixty-five years of age.—The deaths of 34 persons over 65 years of age were registered. This is at the rate of 30·6 per cent. of the total deaths, as compared with 31·8 per cent. in 1912.

Zymotic Death Rate.—Only 7 death have been registered during the year from the principal Zymotic diseases, viz. : 1 from Scarlet Fever, 1 from Enteric Fever, 1 from Measles, and 4 from Diarrhoea. This gives a rate of 6·3 per cent. of the total deaths compared with 7·2 per cent. in 1912. Both of these years have a death rate much below the average.

Tubercular Diseases have caused 10 deaths, giving a rate of 1·08 per 1000 persons living, and 9 per cent. of the total deaths. This is slightly higher than in 1912, when it was 8·1 per cent. of the total deaths.

Cancer and other Malignant Diseases have caused 13 deaths during the year, being at the rate of 1·4 per 1000 persons living, and 11·7 per cent. of the total deaths. In 1912 the rate was 8·1 per cent.

Diseases of the Respiratory Organs have caused 19 deaths during the year, being at the rate of 2·05 per 1000 persons living and 17·1 per cent. of the total deaths. In 1912 the rate was 18·1 per cent.

Notification of Infectious Disease.—By a Local Government Board Order the compulsory notification of all forms of Tuberculosis came into force on February 1st. Previously only Pulmonary Tuberculosis had been notifiable. 21 cases of the ordinary infectious diseases were notified during the year, compared with 12 in 1912. The Townships of Ainsworth and Walmersley-cum-Shuttleworth were completely free from the ordinary infectious diseases. With regard to Tuberculosis, altogether 26 cases have been notified of which 14 were of the Lungs and 12 of other organs. During the year 11 cases have been removed to the Institutions

belonging to the Bury and District Joint Hospital Board, of which 4 were of Scarlet Fever, 2 of Enteric Fever, and 5 of Pulmonary Tuberculosis.

The following table shows the distribution of the cases in the various localities :

Locality	Puerperal	Erysipelas	Scarlet Fever	Enteric Fever	Pulmonary Tuberculosis	Other Tub. Diseases	Total	Infec. Diseases removed	Tub. cases removed	Per cent. of ordinary Inf. cases to Pop.	Per cent. of Tuberculous cases to Pop.
Ainsworth	1	1	—	3	3	2	5	—	1	—	.25
Birtle-cum-Bamford	1	1	3	—	4	1	8	1	—	.17	.29
Outwood.....	1	6	8	—	2	8	16	2	1	.50	.22
Unsworth	—	7	—	—	4	6	17	4	2	.25	.33
Walmersley-cum-Shuttleworth	—	1	—	—	1	—	1	—	—	—	.15
Total.....	1	1	16	3	14	12	47	7	4	.22	.28

Water Supply—Nearly the whole of the district is served by Water Boards which provide a constant supply. Many of the farms and some of the outlying portions of the district have private supplies. The Authorities that provide are the Bury and District Joint Water Board, the Heywood and Middleton Joint Board, and the Bolton Corporation. I have received no complaints of any moment.

Pollution of Rivers.—This is under the control of the Mersey and Irwell Rivers Board.

Drainage and Sewage Disposal Works.—Works for the treatment of Sewage are in operation at Prestolee, Ringley, Outwood, Parrs, Croft Lane, Bamford, Black Lane, and Bradley Fold. They consist of settling tanks and bacteria beds, and in the case of Croft Lane some land filtration in addition. The works at Prestolee are considerably overtaxed and the work of enlarging them is on the point of being commenced.

Every opportunity is taken to procure the conversion of privy middens into water closets, and with regard to new buildings wherever possible, water closets are insisted upon. During the year plans for building 48 new houses have been passed, and of these 46 will be provided with water closets. The numbers approximately in the district now, are privy middens 900, pail closets 80, fresh water closets 450, and waste water closets 50.

Careful attention has been paid to the condition of the privy middens and the general scavenging arrangements are being satisfactorily carried out.

Farms, Dairies, & Cowsheds—The usual inspections have been carried out, and, on the whole, the general sanitary condition is satisfactory. Every opportunity is taken to impress purveyors of milk with the necessity for thorough ventilation of the shippings, and cleanliness of the cows and the milkers. Manure heaps are frequently situated too near the shippings, and are not cleared away sufficiently often. Improvements in the sanitary conditions have been carried out at five farms during the year. There are 102 purveyors of milk on the register now. Practically none of the milk is stored, but is conveyed to customers immediately after milking. There is very little butter making carried on, and there is a small amount of cheese making.

Elementary Schools.—There are seven elementary schools in the district now, viz: at Ainsworth, Buckhurst, Hollins, Prestolee, Ringley, Turn, and Unsworth. These have been periodically inspected and have been found in a clean condition, and well ventilated. The water supply is satisfactory. They are all supplied by Water Boards except Buckhurst and Turn. The closet accommodation, except at Prestolee and St. George's School, Unsworth, which have water closets, are either pails or privy middens. The Managers of the Ringley National Schools have decided to convert their privy middens into water closets, I hope their good example will be followed by others.

When a case of infectious disease occurs in the house of any of the pupils, notice is sent to the Managers of the School, and frequent opportunities are taken for the fumigation and cleaning of the school buildings. The Medical inspection of the children is entirely in the hands of the County Council.

Housing and Town Planning Act.—Mr. Hurst, as Inspector under this Act, is proceeding with the inspection of the houses in the district. The houses on the whole are in good condition, and there is good accommodation for the inhabitants. Most of the houses have both front and back doors and there is plenty of open space around. All new houses are built in accordance with Byelaws, after plans have been passed by the Council, and are inspected and certified before they are allowed to be tenanted. About 190 other than new houses have been inspected during the year, 2 of these have been demolished, 127 are now in a satisfactory condition, and in 59 others improvements are in hand. No closing orders have been made.

Factory and Workshops Act.—The usual inspections have been carried out, and the factories and workshops have been found in satisfactory condition. There are 34 Factories and 20 Workshops in the district. They are situated in the various localities as follows:—

Locality.	Ainsworth	Birtle-cum-Bamford	Outwood	Unsworth	Walmersley-cum-Shuttleworth	Total
Factories	11	5	4	10	4	34
Workshops	6	5	1	7	1	20
Total	17	10	5	17	5	54

The factories consist of 3 cotton spinning mills, 6 cotton weaving sheds, 1 woollen mill, 2 fulling mills, 6 dyeworks, 1 calico print works, 6 bleach works, 2 wheelwright's shops, 1 joiners'

shop, 1 engineer's works, 2 quarries, 1 firelighter's works, 1 spindle and fly maker's works, and 1 paper works.

The workshops consist of 2 milliners, 2 barbers, 4 clog makers, 2 undertakers, 1 brewery, 1 tripe-dresser, 3 bakehouses, 1 plumber, 3 dressmakers, and 1 leather works.

One complaint of a nuisance has been received from His Majesty's Inspector of Factories. This has been attended to.

There are no outworkers in the district.

Appended to this Report are the Annual Report of the Inspector of Nuisances and the various Tables required by the Local Government Board and the Home Office.

I beg to remain, Mr. Chairman and Gentlemen,

Your obedient servant,

JAMES W COOK, M.B.,

March, 1914.

Medical Officer of Health.

INSPECTOR'S REPORT.

UNION OFFICES,

PARSONS LANE,

BURY.

To the Rural District Council of Bury.

MR. CHAIRMAN AND GENTLEMEN,

I beg to lay before you my Annual Report for the year ending December 31st, 1913.

Table of Nuisances, &c., from
Jan. 1st to Dec. 31st, 1913

	Ainsworth	Birtle-cum-Bamford	Outwood	Unsworth	Walmersley-cum-Shuttleworth	TOTAL
No. of Journeys made to each District	86	57	81	82	25	331
,, Visits and Inspections made in each District	250	180	240	256	70	996
,, Notices sent (Legal or Preliminary).....	30	11	18	20	6	85
,, Notifications received and reported upon to the M. O. H. (Tuberculosis included)...	5	8	16	17	1	47
,, Rooms disinfected & cleansed (schools included)	15	24	48	56	5	148
,, Dairies, Cowkeepers, & Purveyors of milk reg.	22	30	9	26	15	102
,, Houses inspected under the Housing and Town Planning Act, 1909 ..	45	27	54	46	16	188
,, „ with sanitary imprvemts. carried out	26	16	47	26	12	127
,, „ „ being carried out	18	11	6	20	4	59
,, „ demolished	1	—	1	—	—	2
,, „ built during the year.....	21	6	32	9	—	69
,, „ provided with New Spouting and re-flagged yards, and new closets..	28	1	15	14	12	70
,, „ connected to new mains (new houses excluded)	12	—	45	10	—	67
„ Privy closets, converted to F.W.C.....	20	10	6	10	—	46
„ Other Nuisances dealt with	16	14	12	20	10	72
„ Nuisances abated	76	25	78	54	22	255
„ „ receiving attention	23	15	30	25	10	103
„ „ found, including connections to sewer	99	40	108	79	32	358

Dairies and Cowsheds.

141 inspections have been made of Dairies and Cowsheds in your various districts, and sanitary improvements have been made in cubic space, light, drainage, and ventilation. The Authorities regulations are being observed by most of the Cowkeepers, as a decided improvement has been made in keeping the cattle and Cowsheds in a clean condition.

Factories and Workshops.

New extensions and sanitary improvements have been made to several Factories and Workshops in your different districts. One complaint of a nuisance (insufficient screenage to closets) was made by His Majesty's Inspector of Factories, which was abated at once. Smoke observations have been taken and the liming and cleaning of the Factories and Workshops have been attended to. One offensive trade only is carried on in your district.

Dwellings.

I have to report that many nuisances have been abated, and sanitary improvements effected in connection with dwelling-houses; such as cleansing and limewashing, more ventilation and light, reflagged yards, animals and fowls removed, defective roofs repaired walls pointed, spouting and rainwater pipes renewed, new drains, and as anticipated in my last Report many privy closets converted to fresh water closets. These conversions make (along with the new dwellings built during the year) 115 more fresh water closets this year. 69 new dwellings have been built, and 67 of same are on the fresh water carriage system.

I am,

Your obedient servant,

HENRY HURST,

Inspector.

TAI

RURAL DISTRICT

Vital Statistics of Whole District

Year	Population estimated to Middle of each Year	Births		Total Deaths registered in District	
		Number	Rate	Number	Rate
1908	8480	199	23.4	105	12.4
1909	8586	184	21.4	106	12.2
1910	8676	190	21.9	90	10.4
1911	9060	176	19.4	110	12.2
1912	9120	185	20.2	104	11.4
1918	9230	181	19.6	100	10.6

Area of District in acres (exclusive of area covered by Water)

NCIL OF BURY.

ing 1913 and previous years.

ransferable Deaths	Nett Deaths belonging to the District				
	Under 1 year of age		At all ages		
on- ents tered the trict	of Resi- dents not registered in the District	Number	Rate per 1,000 Nett births	Number	Rate
9	16	80·4	114	13·4	
—	14	76·08	114	13·2	
12	21	110·5	102	11·7	
14	21	119·3	117	12·9	
2	8	97·2	110	12·05	
3	14	66·3	111	12·02	

Total population at all ages, 9043
 Number of inhabited houses, 2102
 Average number of persons per house, 4·3 }
 At Census
 of 1911

RURAL DISTRICT

Cases of Infectious Disease

Notifiable Disease	At all ages	Number of cases notified			
		Under 1	1 to 5	5 to 15	15 to 25
Small-pox ...					
Cholera ...					
Diphtheria, including Membranous croup ...					
Erysipelas ...	1				
Scarlet fever ...	16		3	12	1
Typhus fever ..					
Enteric fever ..	3				
Relapsing fever ...					
Puerperal fever ...	1				
Pulmonary Tuberculosis	14			3	3
Other forms of Tuberculosis ...	12			3	4
Totals ...	47		3	18	8

Isolation Hospital: Joint Board, Florence Nightingale, Deardens, Bury

„ Smallpox Hospital, Birtle, Heywood

„ Phthisis Sanatorium, Holcombe, and Broomfield,

COUNCIL OF BURY.

and during the year 1913.

Total cases notified in each Locality

45 and upwards	Ainsworth.	Birtle-cum-Bamford.	Outwood.	Unsworth.	Walmersley cum-Shuttlewrth	Total cases removed to Hospital
					1	
			1			
	3		6	7		4
			3			2
			1			
4	3	4	2	4	1	5
3	2	1	3	6		
7	5	8	16	17	1	11

Total available beds 96
 " " " 35 estimated.
 " " " 100

TABLE III.

RURAL DISTRICT COUNCIL OF BURY.

Causes of, and Ages at Death, during the year 1913.

Causes of Death	All Ages	Nett Deaths at the subjoined ages of residents whether occurring within or without the District					Total Deaths whether of residents or nonresidents in Institutions in the District
		Under 1	1 and under 2	2 and under 5	5 and under 15	15 and under 25	
All causes, certified	111	12	5	2	4	2	39
All causes, unclassified	...	...	...	...	...	...	...
Enteric Fever	...	1	...	...	...	1	...
Small-pox	...	...	...	...	...	1	...
Measles	...	...	1	...	...	1	...
Scarlet fever	...	...	1	...	...	1	...
Whooping-cough	...	...	...	...	...	1	1
Diphtheria and croup	...	...	...	...	...	1	1
Influenza	...	...	...	...	...	1	1
Erysipelas	...	...	3	...	...	1	3
Phthisis Pul. Tuberculosis	9	...	...	...	...	5	5
Tuberculous Meningitis	1	...	...	...	...	1	1

TABLE IV.
RURAL DISTRICT COUNCIL OF BURY.
INFANT MORTALITY. 1913.

Nett Deaths from stated causes at various ages under 1 year of age.

Cause of Death	under 1 week				Total under 4 weeks				Total under 1 year			
	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	1-3 months	3-6 months	6-9 months	9-12 months	Total deaths under 1 year			
All causes certified	3	2	2	1		3	1		12			
Small-pox ...	...										
Chicken-pox ...	...										
Measles ...	...										
Scarlet Fever ...	...										
Whooping Cough ...	...										
Diphtheria ...	...										
Erysipelas ...	...										
Tuberculous Meningitis ...	...										
Abdominal Tuberculous ...	...										
Other Tuberculous Diseases												
Meningitis ...	...										
Convulsions...	...											
Laryngitis ...	...										
Bronchitis ...	...	...	1			1	1		3			
Pneumonia ...	...										
Diarrhoea ...	...					2			2			
Enteritis ...	...										
Gastritis ...	...										
Syphilis ...	...										
Rickets ...	...										
Suffocation, overlying												
Injury at Birth ...	...										
Atelectasis ...	...	1							1			
Congenital Malformations...												
Premature Birth ...	2	1							3			
Atrophy, Debility, Marasmus												
Other Causes ...	...		1			3	1		12			
	3	2	2	1								

Nett Births in the year: Legitimate 179, Illegitimate 2.

Nett Deaths in the year: Legitimate Infants 12, Illegitimate —

In recording the facts under the various headings of Tables I, II, III, & IV, attention has been given to the notes on the Tables.

Annual Report of Medical Officer of Health

FOR THE YEAR 1913, FOR THE
RURAL DISTRICT COUNCIL OF BURY,
Factories, Workshops, Workplaces, and Homework.

INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries.) ..	36	4	None
Workshops (Including Workshop Laundries.) ..	30		
Workplaces			
Total	66	4	None

DEFECTS FOUND.

Particulars.	Number of Defects.		
	Found	Remedied.	Referred to H.M. Inspector
Nuisances under the Public Health Acts :—			
Want of cleanliness	4	4	
Want of Ventilation			
Overcrowding			
Want of drainage of floors			
Other nuisances			
Sanitary accommodations { insufficient			
	2	2	
Offences under the Factory and Workshop Acts :—			
Illegal occupation of underground bakehouse			
Breach of special sanitary requirements for bakehouses			
Other offences			
Total	6	6	

REGISTERED WORKSHOPS.

- 2 Millinery
- 3 Dressmakers
- 2 Barbers
- 4 Clog and Shoe Makers
- 2 Undertakers, &c.
- 1 Brewery
- 1 Tripe Dressers
- 3 Bakehouses
- 1 Plumbers
- 1 Leather Works.

Total number of workshops on Register 20

OTHER MATTERS.

Matters notified to H.M. Inspectors of Factories:	Number
Failure to affix Abstract of the Factory and Workshops Act..	
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (S. 5)	1
Notified by H.M. Inspector	
Reports (of action taken) sent to H.M. Inspectors	1
Other	
Underground Bakehouses :	
Certificates granted during the year	
In use at the end of the year	

JAMES W. COOK, Medical Officer of Health.

March, 1914.

